



## ОКРД \* 1 – 0.08 ТУ У 27.3-00214534-095:2017

Distribution fiber-optic cables with fiberglass strength element, with an outer sheath of flame retardant polymer compound

### Mark formation:

ОКРД-[b][c]1(1x[e])-0.08

[b] quantity of optical fibers in the cable, possible values

- 1, 2

[c] type of optical fiber

- A – single-mode with extended wavelength band (ITU-T G.652D, ITU-T G.657A1)
- D – single-mode, not sensitive to losses on macro-bending (ITU-T G.657A2)

[e] quantity of optical fibers in the module:

- 1 ... 2

Order placing: sample of indication (corresponds to configuration pattern)

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Cables are used for:

- in areas with exclusive fire safety requirements
- for laying on the external walls of buildings and structures
- for laying inside and between buildings, or between the main line and the building
- for laying in cable trays, channels, cable ducts, pipes
- for laying in places with effect of high electromagnetic field

Cables are available in either gel-filled or dry construction

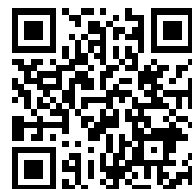
The color of the optical fibers of the cable can be optional

Cable length marking on cable sheath is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ103122000

Products of this mark meet the requirements:

- single wire cable flame retardance
- toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m<sup>3</sup>)
- class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)
- class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)
- corrosive class Kk2 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10 μS/mm)



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**TECHNICAL SPECIFICATIONS**

Number of optical fibers in cable	units	1 ... 2
Permissible tensile force	N	80
Permissible crushing force, no less than	N/10 sm	2500
Ambient temperature		
• during operation	°C	-40 ... +70
• during storage and transportation	°C	-40 ... +70
• during laying and installation	°C	-10 ... +70
Cable weight (approximate)	kg/km	9
Outer dimension of the cable (for reference) **	mm	2 x 3
Minimum bending radius during laying		
• for cables with optical fiber type A	mm	25
• for cables with optical fiber type D	mm	15

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

\*\* The external dimensions may exceed the rated by up to 10 %

**CONSTRUCTION**

1. Optic fibers
2. Fiberglass rod in sheath
3. Outer sheath of halogen-free flame retardant polymer composition with low smoke emission

